

DFG Recreation Related Activities & Expenses Oroville Relicensing FERC # 2100

Summary: as defined below, DFG presently dedicates about \$893,500/year¹ of non-refundable funds into recreational activities associated with Oroville Project FERC # 2100. This annual expenditure will increase to over one \$1,000,000 if the Oroville Wildlife Area budget expansion is approved.

1. Management of the Salmonid Recreational Fishery in Lake Oroville

Sport Fish Study Addressing - "Growth and Contribution to the Fishery of Chinook Salmon at Lake Oroville"

- a. Period of Funding - July 1993 to June 1999
- b. DWR Funding - \$85,000/year for six years (Total = \$510,000)
- c. DFG/Sport Fish Restoration Program - \$75,000/year for six years (Total = \$450,000)

Ongoing Monitoring (Creel Census) to Evaluate Angler Success of the Chinook Salmon, Brown Trout and Black Bass Fishery (Largemouth, Smallmouth, Spotted, etc)

- a. Period of Funding - July 2000 to June 2005
- b. DWR Funding - None
- c. DFG/Sport Fish Restoration Program - \$15,000/year for five years (Total = \$75,000)

2. Feather River Fish Pathology Expenses

Fish Disease Monitoring and Prevention at Feather River Fish Facilities

- a. Period of Funding - Ongoing
- b. DWR Funding - None
- c. DFG/Fish & Game Preservation Fund - \$60,000/year (Includes about \$10,000 annually to U.C. Davis virology laboratory for work related to the identification of the virus IHN)

3. Florida Strain Largemouth Bass

Introduce and Evaluate Benefits to the Recreational Fishery in Lake Oroville

- a. Period of Funding - July 2000 to June 2002
- b. DWR Funding - \$3,000/year for two years to cover the cost for genetic analysis of brood Stock (Total = \$6,000)
- c. DFG/Sport Fish Restoration Program - \$3,000/year for two years to purchase the brood stock (Total = \$6,000)

Genetic Analysis of Largemouth Bass in Lake Oroville

- a. Period of Funding - July 1999 to June 2000
- b. DWR Funding - None
- c. DFG/Sport Fish Restoration Program - \$14,500 (Onetime total cost)

4. The Black Bass Action Committee

Construction of Habitat Structures in Lake Oroville for the Benefit of Warmwater Game Fish

- a. Period of Funding - Ongoing since 1989
- b. DWR Funding - 1994 to Present (DWR took over financing and operation of program)
- c. DFG/Proposition 99 Funding - 1989 to 1993 About \$15,000/Year (Total = \$75,000) for constructing habitat structures

5. Sacramento Pollution Control Program

DWR Funded program in the Sacramento River System to Quantify Metal/Pesticide Contamination in Fish Flesh

- a. Period of Funding - July 1998 to May 2001
- b. DWR Funding - \$500,000 for the three year study of which about \$10,000 will be dedicated to Feather River analytical work
- c. DFG Funding - None (.Laboratory analysis work will be completed by DFG under contract with DWR)

6. Oroville Wildlife Area

Operation and Maintenance of the 11,871 acres purchased by DWR and Transferred to the Control of the Department of Fish and Game for the Purpose of Establishing, Operating and Maintaining a Public Fish and Wildlife Management Area for Associate Recreation

- a. Period of Funding - Ongoing
- b. DWR Funding - ½ of total Cost not to exceed \$20,000 annually for Mosquito Abatement starting in fiscal year 1999/2000
- c. DFG Funding - About \$325,000/year (Funding sources are: Fish & Game Preservation Fund, Pitman-Robertson Act, Sport Fish Restoration Program, Lands Stewardship Program and the Game Bird Heritage Program). In addition, a BCP has been prepared to increase the annual budget by another \$300,000 annually for needed O&M.

7. Salmon Surveys

Annual Carcass Surveys to Estimated the Number of Feather River Salmon Spawning in the Feather River Downstream of Lake Oroville

- a. Period of Funding - Ongoing
- b. DWR Funding - Since the early 1990's DWR has provided funding for the temporary help needed to do the surveys. In 1999 DWR increased their funding to cover expanded surveys and data analysis.
- c. DFG/Fish & Game Preservation Fund - \$12,000/year

8. Law Enforcement

Fish and Game Law Enforcement Activities Associated with Lake Oroville. State Park Rangers do most of the Fish and Game Code Enforcement in the Lake. DFG focuses its effort in the Oroville Wildlife Area and in the Feather River Downstream of Lake Oroville.

- a. Period of Funding - Ongoing
- b. DWR Funding - None
- c. DFG Funding/Fish and Wildlife Preservation Fund - About \$350,000/year

9. Feather River Hatchery and Thermalito Annex

Thermalito Annex - Mandate is to 2 million-30/lbs Chinook salmon for Salmon Trollers (Enhancement Fish). Chinook salmon are also raised at the Annex if there are disease problems at the Feather Hatchery.

- a. Period of Funding - Ongoing (total is around 170,000/year)
- b. DWR Funding - 1/3 of annual expense or about \$56,000/year
- c. DFG Funding/Salmon Stamp Enhancement Fund - 2/3 of annual expense or about \$114,000/year

Feather River Hatchery - The purpose of Feather River Hatchery is to mitigate for the lost of Anadromous fish habitat that is associated with the construction of Lake Oroville. Although, the hatchery also raises Salmonids for the Inland Chinook Salmon Program and for the Four-Pumps Agreement. Production mandates are to collect and raise no more than 2-million Fall-run Chinook salmon eggs for the Inland Chinook Salmon Program, 12-million Fall-run Chinook salmon eggs for anadromous production, 7-million Spring-run Chinook salmon eggs for anadromous production , and 1-million steelhead rainbow trout eggs anadromous production.

- a. Period of Funding - Ongoing (total is around \$933,000/year)
- b. DWR Funding - \$933,000/year
- c. DFG Funding - None